

Amendments to the Claims

Please cancel Claims 35 and 39. Please amend Claims 21, 40 and 107 . Please add new Claim 114. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1-20. (Canceled)

21. (Currently Amended) A portable wireless communications device comprising:

- a) a portable housing;
- b) a wireless transceiver receiver within the housing for transmitting and receiving wireless audio-video data;
- c) a display module attached to the housing, the display module comprising:
 - i) an active matrix liquid crystal display panel, the display panel having an active matrix circuit and an array of at least 300,000 pixel electrodes;
 - ii) a light source that is optically coupled to the display panel, where light from the light source backlights the display panel;
 - iii) a lens magnifying an image displayed on the display panel for viewing by a user, wherein the active matrix display panel, the light source and the lens are located on a single optical axis extending along a line of sight of the user; and
 - iv) a display driver circuit coupled to the active matrix circuit, the display driver circuit forming images on the display panel from the received image data;
- d) a processing unit mounted within the housing and coupled between the wireless transceiver and the display device driver circuit; and
- e) a battery carried by the housing for powering the processing unit, the wireless transceiver, the display panel, the light source, and the display driver circuit.

22. (Canceled)
23. (Previously presented) The device of Claim 21 wherein the display module rotates relative to the housing.
24. (Previously presented) The device of Claim 21 wherein the housing comprises a head mounted support.
25. (Previously Presented) The device of Claim 21 wherein the display panel is a video display.
26. (Previously Presented) The device of Claim 21 wherein the display panel has an array of at least 640 x 480 pixel electrodes.
27. (Previously Presented) The device of Claim 21 further comprising a cholesteric liquid crystal element along an optical path between the display panel and the lens.
28. (Original) The device of Claim 21 further comprising a video processing circuit within the housing.
29. (Previously presented) The device of Claim 21 further comprising a port coupled to the housing for receiving a memory card.
- 30-31. (Canceled)
32. (Previously presented) The device of Claim 21 wherein the light source comprises red, green and blue light sources.
33. (Previously presented) The device of Claim 21 further comprising a modem within the housing.

34. (Previously Presented) The device of Claim 21 wherein the display panel has an array of transistors that is formed with a silicon-on-insulator (SOI) structure.
35. (Canceled)
36. (Previously Presented) The device of Claim 21 wherein the display panel has a diagonal length of 0.7 inches or less.
37. (Canceled)
38. (Previously presented) The device of Claim 21 further comprising a flexible ribbon cable connecting the housing and the display module.
39. (Canceled)
40. (Currently Amended) A portable wireless telephone comprising:
 - a) a portable housing;
 - b) a wireless receiver within the housing ~~and coupled to the processing unit~~ for receiving wireless audio and image data;
 - c) a display module attached to the housing, the display module comprising:
 - i) an active matrix liquid crystal display panel attached to the housing, the display panel having an active matrix circuit and an array of at least 300,000 pixel electrodes;
 - ii) a light source that is optically coupled to the display panel such that light from the light source backlights the display panel;
 - iii) a lens magnifying an image displayed on the display panel for viewing by a user, wherein the active matrix display panel, the light source and the lens are located on a single optical axis extending along a line of sight of the user; and

- iv) a display driver circuit within the housing and coupled to the active matrix circuit, the display driver circuit forming images on the display panel from the received image data;
- d) a processing unit coupled between the wireless receiver and the display driver circuit;
- ~~a lens that optically couples an image displayed on the display panel to an eye of a user for viewing by the user; and~~
- e) a battery within the housing for powering the processing unit, the receiver, the display panel, and the display driver circuit.

41. (Canceled)
42. (Previously Presented) The telephone of Claim 40 wherein the display module rotates relative to the housing.
43. (Previously presented) The telephone of Claim 40 wherein the housing comprises a head mounted support.
44. (Previously Presented) The telephone of Claim 40 wherein the display panel is a video display.
45. (Previously Presented) The telephone of Claim 40 wherein the display panel has an array of at least 640 x 480 pixel electrodes.
46. (Previously Presented) The telephone of Claim 40 further comprising a cholesteric liquid crystal element along an optical path between the display panel and the lens.
47. (Previously presented) The telephone of Claim 40 further comprising a video processing circuit within the housing.

48. (Previously presented) The telephone of Claim 40 further comprising a port coupled to the housing for receiving a memory card.

49-50. (Canceled)

51. (Previously presented) The telephone of Claim 40 wherein the light source comprises red, green and blue light sources.

52. (Previously presented) The telephone of Claim 40 further comprising a modem within the housing.

53. (Previously Presented) The telephone of Claim 40 wherein the display panel has an array of transistors that is formed with a silicon-on-insulator (SOI) structure.

54. (Previously Presented) The telephone of Claim 40 wherein the display module comprises a reflector positioned around the light source.

55. (Previously Presented) The telephone of Claim 40 wherein the display panel has a diagonal length of 0.7 inches or less.

56. (Canceled)

57. (Previously Presented) The telephone of Claim 40 further comprising a flexible ribbon cable connecting the housing and the display module.

58. (Previously Presented) The telephone of Claim 40 wherein the display panel and the lens are on a single optical axis.

59-85. (Canceled)

86. (Previously Presented) The device of Claim 21 further comprising a servo coupled to the processing unit and coupled to the display module, the servo allowing adjustment of the position of the display module relative to the user's eyes.
87. (Previously Presented) The device of Claim 21 comprising an external sensor module coupled to the processing unit for providing data relating to an environment surrounding the user.
88. (Previously Presented) The device of Claim 21 comprising an internal sensor module coupled to the processing unit for providing data relating to an environment between the user and a protective layer.
89. (Previously Presented) The device of Claim 21 comprising a lifesigns module coupled to the central processing unit for providing data regarding the user's bodily condition.
90. (Previously Presented) The telephone of Claim 40 further comprising a servo coupled to the processing unit and coupled to the display module, the servo allowing adjustment of the position of the display module relative to the user's eyes.
91. (Previously Presented) The telephone of Claim 40 comprising an external sensor module coupled to the processing unit for providing data relating to an environment surrounding the user.
92. (Previously Presented) The telephone of Claim 40 comprising an internal sensor module coupled to the processing unit for providing data relating to an environment between the user and a protective layer.
93. (Previously Presented) The telephone of Claim 40 comprising a lifesigns module coupled to the processing unit for providing data regarding the user's bodily condition.

94-97. (Canceled)

98. (Previously Presented) The device of Claim 21 further comprising display control circuitry mounted on the housing and coupled to the display driver circuit, the display control circuitry allowing for user control of the display.
99. (Previously Presented) The telephone of Claim 40 further comprising display control circuitry mounted on the housing, the display control circuitry allowing for user control of the display.
100. (Canceled)
101. (Previously Presented) The device of Claim 21 further comprising an imaging device coupled to the housing.
102. (Previously Presented) The telephone of Claim 40 further comprising an imaging device coupled to the housing.
103. (Canceled)
104. (Previously Presented) The device of Claim 21 wherein the display panel comprises an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer.
105. (Previously Presented) The telephone of Claim 40 wherein the display panel comprises an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer.
106. (Canceled)

107. (Currently amended) A portable wireless communications device comprising:

- a) a portable housing;
~~a wireless transceiver within the housing and coupled to the processing unit for transmitting and receiving wireless audio data;~~
- b) a wireless receiver within the housing ~~and coupled to the processing unit for receiving wireless image data;~~
- c) a display module attached to the housing, the display module comprising:
 - i) an active matrix liquid crystal display panel attached to the housing, the display panel having an active matrix circuit including an array of transistor circuits and an array of at least 300,000 pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;
 - ii) a light source that is optically coupled to the display panel where light from the light source backlights the display panel;
 - iii) a lens magnifying an image displayed on the display panel for viewing by a user, wherein the active matrix display panel, the light source and the lens are located on a single optical axis extending along a line of sight of the user; and
 - iv) a display driver circuit coupled to the active matrix circuit, the display driver circuit forming images on the display panel from the received image data;
- d) a processing unit coupling ~~the wireless transceiver and the wireless receiver with the display driver circuit;~~
~~a lens that optically couples an image displayed on the display panel to an eye of a user for viewing by the user;~~
- e) display control circuitry mounted on the housing and coupled through the processing unit to the display driver circuit, the display control circuitry allowing for user control of the display;
- f) a servo coupled to the processing unit and coupled to the display panel, the servo allowing adjustment of the position of the display panel relative to the user's eyes;

- g) an external sensor module coupled to the processing unit for providing data relating to an environment surrounding the user;
- h) an internal sensor module coupled to the processing unit for providing data relating to an environment between the user and a protective layer;
- i) a life sign ~~lifesigns~~ module coupled to the processing unit for providing data regarding the user's bodily condition; and
- j) a battery carried by the housing for powering the processing unit, the transceiver, the receiver, the display panel, the light source, and the display driver circuit.

108-113. (Canceled)

114. (New) The device of Claim 107, wherein the housing includes a head mounted support.